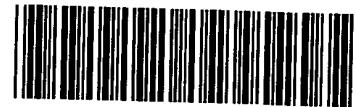


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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/932.145

DATE: 02/28/2002

TIME: 12:11:04

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3 <110> APPLICANT: Feder, John N.
4 Mintier, Gabe
5 Kinney, Gene G
6 Ramanathan, Chandra S
8 <120> TITLE OF INVENTION: NOVEL IMIDAZOLINE RECEPTOR HOMOLOGS
10 <130> FILE REFERENCE: D0020 NP
12 <140> CURRENT APPLICATION NUMBER: US 09/932,145
13 <141> CURRENT FILING DATE: 2001-08-17
15 <160> NUMBER OF SEQ ID NOS: 11
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 145 35 40 45
 147 Leu Gln Gln Leu Asn His Val Phe Glu Leu His Leu Gly Pro Trp Gly
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 151 65 70 75 80
 153 Pro Val Ile Leu Gln Leu Gln Phe Leu Phe Asp Val Leu Gln Lys Thr
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 156 Leu Ser Leu Lys Leu Val His Val Ala Gly Pro Gly Pro Thr Gly Pro
 157 100 105 110
 159 Ile Lys Ile Phe Pro Phe Lys Ser Leu Arg His Leu Glu Leu Arg Gly
 160 115 120 125
 162 Val Pro Leu His Cys Leu His Gly Leu Arg Gly Ile Tyr Ser Gln Leu
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 165 Glu Thr Leu Ile Cys Ser Arg Ser Leu Gln Ala Leu Glu Glu Leu Leu

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172	180	185	190	
174	Leu Arg Leu Leu Ser Ala Leu Arg Phe	Leu Asn Leu Ser	His Asn	Gln
175	195	200	205	
177	Val Gln Asp Cys Gln Gly Phe	Leu Met Asp Leu	Cys Glu	Leu His His
178	210	215	220	
180	Leu Asp Ile Ser Tyr Asn Arg Leu His	Leu Val Pro Arg Met	Gly Pro	
181	225	230	235	240
183	Ser Gly Ala Ala Leu Gly Val Leu Ile	Leu Arg Gly Asn	Glu Leu	Arg
184	245	250	255	
186	Ser Leu His Gly Leu Glu Gln Leu Arg	Asn Leu Arg His	Leu Asp	Leu
187	260	265	270	
189	Ala Tyr Asn Leu Leu Glu Gly His	Arg Glu Leu Ser	Pro Leu	Trp Leu
190	275	280	285	
192	Leu Ala Glu Leu Arg Lys Leu Tyr	Leu Glu Gly Asn	Pro Leu	Trp Phe
193	290	295	300	
195	His Pro Glu His Arg Ala Ala Thr	Ala Gln Tyr Leu Ser	Pro Arg Ala	
196	305	310	315	320
198	Arg Asp Ala Ala Thr Gly Phe	Leu Leu Asp Gly Lys	Val Leu Ser	Leu
199	325	330	335	
201	Thr Asp Phe Gln Thr His Thr	Ser Leu Gly Leu Ser	Pro Met	Gly Pro
202	340	345	350	
204	Pro Leu Pro Trp Pro Val Gly Ser	Thr Pro Glu Thr Ser	Gly Gly Pro	
205	355	360	365	
207	Asp Leu Ser Asp Ser Leu Ser	Ser Gly Gly Val	Val Thr Gln Pro	Leu
208	370	375	380	
210	Leu His Lys Val Lys Ser Arg Val	Arg Val Arg	Arg Ala Ser	Ile Ser
211	385	390	395	400
213	Glu Pro Ser Asp Thr Asp Pro Glu Pro	Arg Thr Leu Asn Pro	Ser Pro	
214	405	410	415	
216	Ala Gly Trp Phe Val Gln Gln His	Pro Glu Leu Glu	Leu Met Ser	Ser
217	420	425	430	
219	Phe Arg Glu Arg Phe Gly Arg Asn	Trp Leu Gln Tyr	Arg Ser His	Leu
220	435	440	445	
222	Glu Pro Ser Gly Asn Pro Leu Pro	Ala Thr Pro Thr	Thr Ser Ala	Pro
223	450	455	460	
225	Ser Ala Pro Pro Ala Ser Ser	Gln Gly Pro Asp	Thr Ala Pro	Arg Pro
226	465	470	475	480
228	Ser Pro Pro Gln Glu Glu Ala Arg	Gly Pro Gln Glu	Ser Pro Gln	Lys
229	485	490	495	
231	Met Ser Glu Glu Val Arg Ala Glu	Pro Gln Glu Glu	Glu Glu	Lys
232	500	505	510	
234	Glu Gly Lys Glu Glu Lys Glu	Gly Glu Met Val	Glu Gln Gly	Glu
235	515	520	525	
237	Glu Glu Ala Gly Glu Glu Glu	Glu Gln Asp Gln	Lys Glu	Val
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 247 580 585 590
 249 Leu Gln Ser Leu Glu Ala Ala Glu Ile Glu Pro Glu Ala Gln Ala Gln
 250 595 600 605
 252 Arg Ser Pro Arg Pro Thr Gly Ser Asp Leu Leu Pro Gly Ala Pro Ile
 253 610 615 620
 255 Leu Ser Leu Arg Phe Ser Tyr Ile Cys Pro Asp Arg Gln Leu Arg Arg
 256 625 630 635 640
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 259 645 650 655
 261 Ala Val Leu Thr Pro Val Thr Asn Val Ala Arg Glu Gln Leu Gly Glu
 262 660 665 670
 264 Ala Arg Asp Leu Leu Leu Gly Arg Phe Gln Cys Leu Arg Cys Gly His
 265 675 680 685
 267 Glu Phe Lys Pro Glu Glu Pro Arg Met Gly Leu Asp Ser Glu Glu Gly
 268 690 695 700
 270 Trp Arg Pro Leu Phe Gln Lys Thr Gly Ser Gly Asn Arg Glu Ser Ser
 271 705 710 715 720
 273 Leu Trp Leu Leu Leu Arg Leu Pro Ala Leu Ser Ala Thr Leu Leu Ala
 274 725 730 735
 276 Met Val Thr Thr Leu Thr Gly Pro Arg Thr Ala His Leu Arg His Arg
 277 740 745 750
 279 Ala Pro Val Thr Met Val Val Gly Ala Ser Val Pro Pro Leu Ser Ala
 280 755 760 765
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 283 770 775 780
 285 Arg Cys Ser Ala Met Pro Arg Arg Ser Ser Ser Ala Ala Ser Arg Cys
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